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**2/19/1 (Item 1 from file: 345) DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat (c) 2008 EPO. All rts. reserv.**

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<No. of Patents: 1> <No. of Countries: 1>

Patent Basic (No,Kind,Date): JP 4229198 A 19920818

**EXAMINATION OF PERIODONTOSIS (English)**

Patent Assignee: LION CORP  
Author (Inventor): YAMAZAKI YOJI; OKA MIWAKO  
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**Patent Family:**

Patent No	Kd Date	Applic No	Kd Date	Wk Added
JP 4229198	A 19920818	JP 1990414354	A 19901226	200016 (B)

**Priority Data (No,Kind,Date):**

JP 1990414354 A 19901226

\*\*\*\*\* JAPAN (JP) \*\*\*\*\*

**JAPAN (JP) PATENT(S):**

Patent (No,Kind,Date): JP 4229198 A 19920818

**EXAMINATION OF PERIODONTOSIS (English)**

Patent Assignee: LION CORP

Author (Inventor): YAMAZAKI YOJI; OKA MIWAKO

Priority (No,Kind,Date): JP 1990414354 A 19901226

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v. : 61-0019/0
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v. 8 adv : A61C-0019/04 A I L R 20060101 20051220 M JP
v. 8 adv : C12Q-0001/48 A I L R 20060101 20051220 M JP
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v. 8 core: C12Q-0001/48 C I L R 20060101 20051220 M JP

Date of Availability: 19920818 Unexamined printed without grant

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**Dialog eLink: Order file history**

**2/19/2 (Item 2 from file: 351) DIALOG(R)File 351:Derwent WPI (c) 2008 The Thomson Corporation.  
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WPI Acc no: 1992-321187/199239

XRAM Acc no: C1992-142987

XRPX Acc No: N1992-245638

**Test for periodontitis - includes reacting sample from oral cavity with substrate for assaying gamma**

Patent Assignee: LION CORP (LIOY)

Inventor: OKA M; YAMAZAKI Y

Patent Family ( 1 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 4229198	A	19920818	JP 1990414354	A	19901226	199239	B

Priority Applications (no., kind, date): JP 1990414354 A 19901226

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 4229198	A	JA	3	0	

**Alerting Abstract JP A**

To a sample collected from oral cavity, substrate for assaying gamma-glutamyltrans peptidase activity is sample is assayed from colouring grade.

USE/ADVANTAGE - Diagnosis or prediction of progressing grade of periodontosis e.g. gingivitis, etc., USE/ADVANTAGE - Clinically 3 healthy men with normal gingiva, 5 patients with gingivitis and 3 pat collected, and gamma-GTP activity in the saliva was assayed by using gamma-GTP assaying kit. Saliva (1.5 mg/ml) contg. substrate buffer (0.5 ml), and reacted at 37 deg.C for 30 min. Next, p-dimethylamino ml) was added, and change of colour was judged macroscopically. Colouring of periodontosis patient sal

**Title Terms /Index Terms/Additional Words:** TEST; PERIODONTAL; REACT; SAMPLE; ORAL; CA GLUTAMYL; TRANSPEPTIDASE; ACTIVE

**Class Codes**

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
A61B-0010/00	A	I	F	R	20060101
A61C-0019/04	A	I	L	R	20060101
C12Q-0001/48	A	I	L	R	20060101
A61B-0010/00	C	I	F	R	20060101
A61C-0019/04	C	I	L	R	20060101
C12Q-0001/48	C	I	L	R	20060101

File Segment: CPI; EngPI

DWPI Class: B04; D16; D21; P31; P32

Manual Codes (CPI/A-N): B04-B02C3; B04-B04G; B10-B02E; B10-B04A; B11-C07B1; B12-K04A; D

**Chemical Indexing**

Chemical Fragment Codes (M1) :

\*01\* M903 M423 M750 Q233 V802 V814

\*02\* M903 M423 M750 M760 Q233 V600 V623 V802 V814

Chemical Fragment Codes (M2) :

\*03\* M903 M904 G013 G100 H1 H100 H181 H3 H341 J0 J012 J1 J171 J3 J341 M280  
M313 M321 M332 M343 M349 M381 M391 M414 M423 M430 M510 M520 M531 M540  
M750 M760 M782 P831 Q233 V600 V623 V802 V814 R03063-D R03063-M  
129719-D 129719-M

\*04\* M903 M904 G013 G100 H1 H100 H103 H141 H181 H3 H341 H7 H721 J0 J012 J1  
J171 J3 J341 J4 J471 M210 M211 M273 M280 M282 M312 M313 M321 M332 M342  
M343 M349 M372 M381 M391 M414 M423 M430 M510 M520 M531 M540 M750 M760  
M782 P831 Q233 V600 V623 V802 V814 R03063-D R03063-M R17437-D R17437-M  
129719-D 129719-M 133696-D 133696-M

Chemical Fragment Codes (M6) :

\*05\* M903 M904 G013 G100 H1 H100 H103 H141 H181 H3 H341 H7 H721 J0 J012 J1  
J171 J3 J341 J4 J471 M210 M211 M273 M280 M282 M312 M313 M321 M332 M342  
M343 M349 M372 M381 M391 M414 M423 M430 M510 M520 M531 M540 M750 M760  
M782 P831 Q233 R515 R533 R613 R623 R632 V600 V623 V802 V814 R03063-D  
R03063-M R17437-D R17437-M 129719-D 129719-M 133696-D 133696-M

Specific Compound Numbers: R03063-D; R03063-M; R03063-D; R03063-M; R17437-D; R17437-M;  
R03063-D; R03063-M; R17437-D; R17437-M

Derwent Chemistry Resource Numbers: (Linked) 129719-D; 129719-M; 129719-D; 129719-M;  
133696-D; 133696-M; 129719-D; 129719-M; 133696-D; 133696-M; 129719-RGT; 129719-CMP;  
133696-RGT; 133696-CMP

#### Key Word Indexing

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### Original Publication Data by Authority

#### Japan

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#### EXAMINATION OF PERIODONTOSIS

Assignee: LION CORP (LIOY)

Inventor: YAMAZAKI YOJI

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Application: JP 1990414354 A 19901226 (Local application)

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(R,I,M,JP,20060101,20051220,C,L) C12Q-1/48(R,I,M,JP,20060101,20051220,A,L) C12Q-1/48  
(R,I,M,JP,20060101,20051220,C,L)

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/009117

## Box No. VI Certain documents cited

## 1. Certain published documents (Rule 70.10)

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
JP 2004-129584 A	30.04.2004	11.10.2002	
EX			

## 2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)